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OCKET NO- 1:09-CV-1098-BBM	DATE FILED 4/24/2009	U.S.	DISTRICT COURT Atlanta Division
CAINTIFF Optimum Processing Solutions, L.L.C.			DEFENDANT Advanced Micro Devices, Inc. et al
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	П	HOLDER OF PATENT OR TRADEMARK
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		atent(s	s)/ trademark(s) have been included:
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In the above	e—entitled case, the following d	ecisio	n has been rendered or judgement issued:
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US005115497A

[11] Patent Number:

5,115,497

[45] Date of Patent:

Date of Patent: May 19, 1992

[54] OPTICALLY INTRACONNECTED COMPUTER EMPLOYING DYNAMICALLY ESCONFIGURABLE HOLOGRAPHIC OPTICAL ELEMENT

United States Patent 1191

- [75] Inventor: Larry A. Bergman, Van Nuys, Calif.
- [73] Assignee: Californie Institute of Technology, Pasadene, Calif.
- [21] Appl. No.: 103,192

Bergman

- [22] Filed: Oct. 1, 1987
- 364/261.4; 364/262.9; 364/264 [58] Field of Search ... 364/200 MS File, 900 MS File, 364/736, 741

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Primary Examiner-Kevin A. Kriess Attorney, Agent, or Firm-Edward O. Ansell

[57] ABSTRACT

An optically intracoanected computer and a reconfigurable holographic optical element employed therein. The basic computer comprises a memory for holding a sequence of instructions to be executed; togle for accessing the instructions in sequence; togle for determining for each the instruction the function to be performed and the effective address thereof; a plurality of individual elements on a common support substrate optimized to perform certain logical sequences employed in executing the instruction; and, element selection logic connected to the logic determining the function and for causing the instruction to be performed for each the instruction for determining the class of each function and for causing the instruction to be executed by those the elements which perform those associated the logical sequences affecting he instruction execution is an optimum minner. In the optically intraconnected version, the element selection logic is adapted for transmitting and switching signals to the elements optically.

35 Claims, 4 Drawing Sheets

